

CAD CAM Dental Milling Machine Market worth \$4.16 billion by 2030 - Exclusive Report by 360iResearch

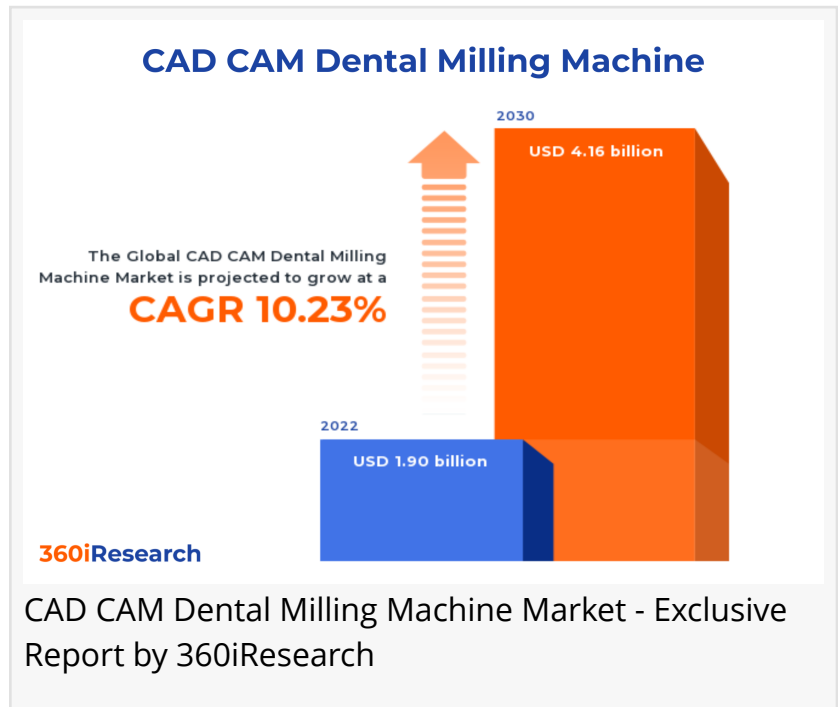
The Global CAD CAM Dental Milling Machine Market to grow from USD 1.90 billion in 2022 to USD 4.16 billion by 2030, at a CAGR of 10.23%.

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EINPresswire.com/ -- The "[CAD CAM Dental Milling Machine Market](#) by Axis Type (4-axis Machines, 5-axis Machines), Size (Benchtop, Standalone, Tabletop), Technology, Application - Global Forecast 2023-2030" report has been added to 360iResearch.com's offering.

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Computer-Aided Design (CAD) and Computer-Aided Manufacturing (CAM) dental milling machine is an advanced dental technology device used to design, analyze, and manufacture precise and high-quality prosthetic restorations with minimum human intervention. This machine incorporates computerized systems to streamline the entire restoration process, from scanning the patient's actual dental structure to fabricating customized restorations such as crowns, bridges, veneers, inlays, onlays, and implant abutments. Growing awareness pertaining to oral health and rising demand for cosmetic dentistry are raising the need for efficient CAD CAM dental milling machines. However, high initial investment and maintenance costs may adversely affect the adoption by healthcare professionals. Moreover, continuous R&D to enhance the



efficiency of these machines and dental tourism is anticipated to encourage the deployment and use of CAD CAM dental milling machines by dentists across the globe.

Application: Expanding use to manufacture dental implants

CAD CAM dental milling machines have significantly impacted the production of crowns and bridges by enabling dentists to fabricate custom-designed prosthetic restorations with high precision and enhanced esthetics. These restorations are made from various materials such as ceramic, zirconia, or metal alloys. Dental implant surgeries have become more predictable with the use of CAD CAM dental milling machines due to their ability to create accurate surgical guides based on digital impressions taken using intraoral scanners. CAD CAM dental milling machines have streamlined the denture manufacturing process by simplifying the design and fabrication of removable and implant-supported dentures. This enables dental professionals to deliver high-quality, esthetic dentures with improved fit and function. Inlays and onlays are indirect restorations which can be designed and milled using CAD CAM dental milling machines to provide an accurate fit, superior esthetics, and long-lasting results. Materials such as ceramic or composite resin can be used for these applications. Digital veneer fabrication has become popular due to the minimally invasive nature of treatment combined with optimal esthetics achieved using CAD CAM dental milling machines.

Axis Type: 5-axis machines offer a higher level of accuracy and flexibility in designing more intricate cases

The 4-axis CAD CAM dental milling machines are widely used in the dental industry for their ability to handle simple and moderate complexity restorations. These machines mainly focus on milling copings, crowns, bridges, and custom abutments with high precision and accuracy. For more complex dental restorations that require high precision from multiple angles (such as implant-supported bars or full-arch hybrid prostheses), a 5-axis CAD CAM dental milling machine is preferable. These machines offer a greater range of motion, allowing them to mill intricate designs with increased efficiency and accuracy.

Technology: Significant penetration of wet-milling technology

Dry milling is a process wherein the material is milled without any coolant or lubricant. This method is suitable for materials such as zirconia, wax, PMMA (polymethyl methacrylate), and some hybrid ceramics. Dry milling offers various advantages, including shorter processing times due to the absence of drying periods and reduced tool wear compared to wet milling. Wet milling utilizes water or other liquids as a coolant and lubricant during the milling process, which helps to dissipate heat generated by milling tools. This method is ideal for materials such as lithium disilicate, titanium, and cobalt-chromium alloys that require added protection from overheating. Wet milling delivers increased precision due to reduced tool wear; however, it may have longer processing times compared to dry milling because of the need for drying the milled restorations. Dry and wet milling technologies cater to distinct needs based on material compatibility and production requirements. Dry milling is generally faster and more cost-effective; however, it might not be suitable for heat-sensitive materials. Wet milling offers higher precision due to better tool longevity and requires additional drying time post-milling.

Size: Standalone systems cater to larger production capacities with advanced features

Benchtop dental milling machines are compact and designed to fit on a laboratory workbench or countertop area, making them an ideal choice for small labs or clinics with space constraints. These machines are capable of producing high-quality dental restorations such as crowns, bridges, and implants with ease while saving valuable laboratory space. Standalone dental milling machines are larger units designed for medium-to-large-sized labs or clinics requiring higher production capacities and more advanced features. These machines often have additional functionality, such as integrated scanners or built-in computers, for easier workflow management. Tabletop dental milling machines are designed to be placed on top of a table or workstation, balancing compactness and functionality. These machines are suitable for small-to-medium-sized labs or clinics that require flexibility in their setup without compromising performance.

Regional Insights:

The Americas have shown a high adoption rate of advanced dental technologies due to increased awareness about oral health, a growing geriatric population, and favorable reimbursement policies. Significant investments in research initiatives and product innovations drive market growth in the region for CAD CAM dental milling machines. In Europe, the demand for CAD CAM dental milling machines is rising due to major market players offering innovative solutions and increased governmental investments in healthcare infrastructure. Middle East and African regions are noticing rapid adoption of CAD CAM dental milling machines owing to rising awareness of oral healthcare and investments in infrastructure development projects. Asia Pacific has observed significant market growth for CAD CAM dental milling machines driven by factors such as rising per capita income, growing awareness of dental health, and government initiatives to improve healthcare facilities. Major players have invested in setting up manufacturing plants and sales offices in this region.

FPNV Positioning Matrix:

The FPNV Positioning Matrix is essential for assessing the CAD CAM Dental Milling Machine Market. It provides a comprehensive evaluation of vendors by examining key metrics within Business Strategy and Product Satisfaction, allowing users to make informed decisions based on their specific needs. This advanced analysis then organizes these vendors into four distinct quadrants, which represent varying levels of success: Forefront (F), Pathfinder (P), Niche (N), or Vital(V).

Market Share Analysis:

The Market Share Analysis offers an insightful look at the current state of vendors in the CAD CAM Dental Milling Machine Market. By comparing vendor contributions to overall revenue, customer base, and other key metrics, we can give companies a greater understanding of their performance and what they are up against when competing for market share. The analysis also

sheds light on just how competitive any given sector is about accumulation, fragmentation dominance, and amalgamation traits over the base year period studied.

Key Company Profiles:

The report delves into recent significant developments in the CAD CAM Dental Milling Machine Market, highlighting leading vendors and their innovative profiles. These include 3M Company, Amann Girrbach AG, Arum Dentistry Co., Ltd., Axsys Incorporated, B&D Dental Technologies, Bien-Air Holding SA, BioHorizons, Inc. by Henry Schein, Inc., Dentium Co., Ltd., Dentsply Sirona Inc., DGSHAPE Corporation, Envista Holdings Corporation, imes-icore GmbH, Ivoclar Vivadent AG, KaVo Dental GmbH by Planmeca Group, Kelkar Dynamics LLP, Planmeca OY, Renishaw PLC, Roland DGA Corporation, Röders GmbH, Straumann Group, Unicorn Denmart Limited, and Zimmer Biomet Holdings, Inc..

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Market Segmentation & Coverage:

This research report categorizes the CAD CAM Dental Milling Machine Market in order to forecast the revenues and analyze trends in each of following sub-markets:

Based on Axis Type, market is studied across 4-axis Machines and 5-axis Machines. The 4-axis Machines is projected to witness significant market share during forecast period.

Based on Size, market is studied across Benchtop, Standalone, and Tabletop. The Benchtop is projected to witness significant market share during forecast period.

Based on Technology, market is studied across Dry Milling and Wet Milling. The Dry Milling is projected to witness significant market share during forecast period.

Based on Application, market is studied across Crowns & Bridges, Dental Implants, Dentures, Inlays & Onlays, and Veneers & Lumineers. The Veneers & Lumineers is projected to witness significant market share during forecast period.

Based on Region, market is studied across Americas, Asia-Pacific, and Europe, Middle East & Africa. The Americas is further studied across Argentina, Brazil, Canada, Mexico, and United States. The United States is further studied across California, Florida, Illinois, New York, Ohio, Pennsylvania, and Texas. The Asia-Pacific is further studied across Australia, China, India, Indonesia, Japan, Malaysia, Philippines, Singapore, South Korea, Taiwan, Thailand, and Vietnam. The Europe, Middle East & Africa is further studied across Denmark, Egypt, Finland, France, Germany, Israel, Italy, Netherlands, Nigeria, Norway, Poland, Qatar, Russia, Saudi Arabia, South Africa, Spain, Sweden, Switzerland, Turkey, United Arab Emirates, and United Kingdom. The

Americas commanded largest market share of 38.45% in 2022, followed by Europe, Middle East & Africa.

Key Topics Covered:

1. Preface
2. Research Methodology
3. Executive Summary
4. Market Overview
5. Market Insights
6. CAD CAM Dental Milling Machine Market, by Axis Type
7. CAD CAM Dental Milling Machine Market, by Size
8. CAD CAM Dental Milling Machine Market, by Technology
9. CAD CAM Dental Milling Machine Market, by Application
10. Americas CAD CAM Dental Milling Machine Market
11. Asia-Pacific CAD CAM Dental Milling Machine Market
12. Europe, Middle East & Africa CAD CAM Dental Milling Machine Market
13. Competitive Landscape
14. Competitive Portfolio
15. Appendix

The report provides insights on the following pointers:

1. Market Penetration: Provides comprehensive information on the market offered by the key players
2. Market Development: Provides in-depth information about lucrative emerging markets and analyzes penetration across mature segments of the markets
3. Market Diversification: Provides detailed information about new product launches, untapped geographies, recent developments, and investments
4. Competitive Assessment & Intelligence: Provides an exhaustive assessment of market shares, strategies, products, certification, regulatory approvals, patent landscape, and manufacturing capabilities of the leading players
5. Product Development & Innovation: Provides intelligent insights on future technologies, R&D activities, and breakthrough product developments

The report answers questions such as:

1. What is the market size and forecast of the CAD CAM Dental Milling Machine Market?
2. Which are the products/segments/applications/areas to invest in over the forecast period in the CAD CAM Dental Milling Machine Market?
3. What is the competitive strategic window for opportunities in the CAD CAM Dental Milling Machine Market?
4. What are the technology trends and regulatory frameworks in the CAD CAM Dental Milling Machine Market?
5. What is the market share of the leading vendors in the CAD CAM Dental Milling Machine

Market?

6. What modes and strategic moves are considered suitable for entering the CAD CAM Dental Milling Machine Market?

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